

## ABSTRACT OF THE DISCLOSURE

There are disclosed skin treatment compositions containing cell signaling compounds, which induce and promote the biosynthesis and/or bioactivity of  
5 endogenous chemicals that mediate cell to cell communication in the skin between keratinocytes, fibroblasts and other cell types present in the skin. The cell signaling compound is selected from the group consisting of: andrographolide and its derivatives; adenosine cyclic phosphate and its derivatives; hydrolyzed milk proteins; sunflower seed extract; plankton extract; phytol and its derivatives; and mixtures thereof.